

TX station: 6xUKK8
Gain solid integration : disabled

Site Name: Labelitaly

General data of Antenna System

TX station	6xUKK8
Site Name	Labelitaly
System of coordinates	Geographic
Longitude	00°00'00.000"
Latitude	00°00'00.000"
Ground level a.s.l. (m)	100.0
Antenna system height (m)	100.0
Transmitter power(Watt)	1000.000
Carrier wave frequency (MHz)	600.000
Antenna system central frequency (MHz)	600.000
Antenna base diagrams type 1	LABEL ITALY-UKK_8 PANEL 4 DIP UHF
Antenna base diagrams type 2	-
Polarization (H/V/C/X)	H
Transmitting cable attenuation (dB)	0.5
Additional attenuations(dB)	0.5
Base diagrams sectors (T = All, F = Front)	T
Velocity factor of cables to Antennas (0÷1)	0.88
Coordinate System(C = cartesian, P = polar)	P
Mast side / diameter(cm):	45.0
Mast cross section (T/Q/C)	Q
Structure rotation w.r.t. North (°)	0.0
Mast rotation w.r.t. North (°)	0.0

Information about antennas used in the System

	<i>Antenna type 1</i>
Manufacturer	LABEL ITALY
Antenna model	UKK_8 PANEL 4 DIP
Band start(MHz)	470
Band stop(MHz)	850
diagrams Frequency(MHz)	610
Polariz (H,V,C,X)	H
Vertical dist (cm)	105
Height (cm)	100
Width (cm)	45
Thickness (cm)	24
Weight (Kg)	0
Maximum power (KW)	2
Gain (dBd)	11
North E.C. (cm)	6.5
East E.C. (cm)	0.8
Return loss (dB)	0
R.C.Phase (°)	0

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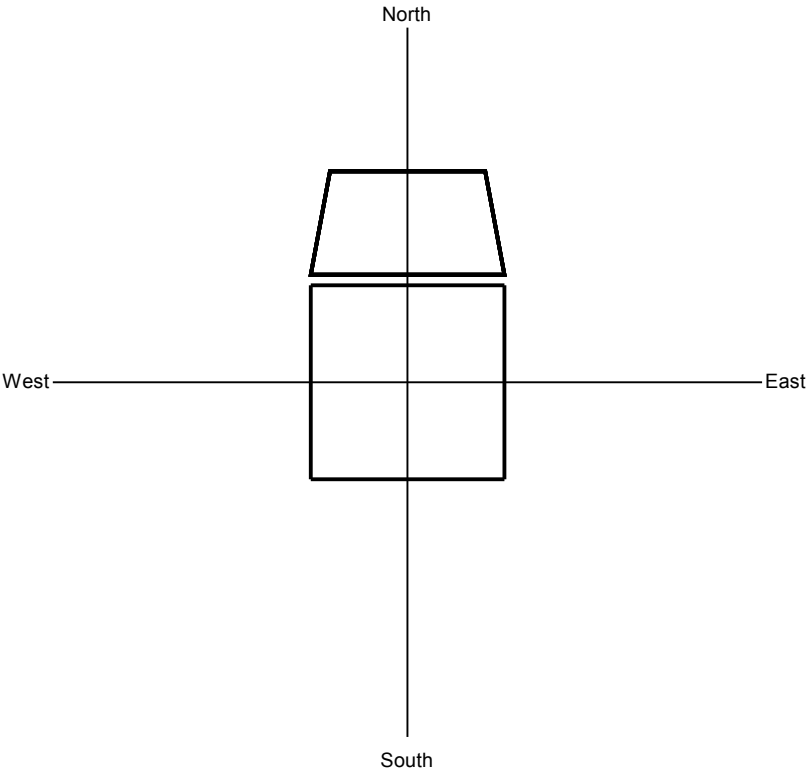
Geometr. and electrical data of Antenna System

	<i>Power</i> (%)	<i>Tilt</i> (°)	<i>Az.</i> (°/N)	<i>Phase</i> (°)	<i>V dist.</i> (m)	<i>Scr-d</i> (cm)	<i>Scr-Az</i> (°/N)	<i>Rot.</i> (1÷4)	<i>Type</i> (1÷2)	<i>L cables</i> (cm)	<i>Car. phase</i> (°)
1	16.667	0	0	0 +0.0	2.75	25.0	0.0	1	1	0.0	0.0
2	16.667	0	0	0 +0.0	1.65	25.0	0.0	1	1	0.0	0.0
3	16.667	0	0	0 +0.0	0.55	25.0	0.0	1	1	0.0	0.0
4	16.667	0	0	0 +0.0	-0.55	25.0	0.0	1	1	0.0	0.0
5	16.667	0	0	0 +0.0	-1.65	25.0	0.0	1	1	0.0	0.0
6	16.667	0	0	0 +0.0	-2.75	25.0	0.0	1	1	0.0	0.0

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Plan of antenna system



Side of antenna system



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Antennas arrays data

A. Antennas array azimuth (°/N)	0
B. Number of antennas	6
C. Nominal power supply (W)	1000.00
D. Losses (addit. + cables) (dB)	1.0
E. Effective power supply (W)	794.33
F. Theor. maximum gain (dBd)	18.78
G. Distribution losses (dB)	0.00
H. Nominal max gain [F - G] (dBd)	18.78
I. Compensation losses (dB)	0.00
J. Effec. max gain [H - I] (dBd)	18.78
K. Effec. max gain (times)	75.54
L. Effec. max power [E * K] (KW)	60.0001
M. Max power depr. angle (°)	0.0
N. Max power az. angle (°)	0

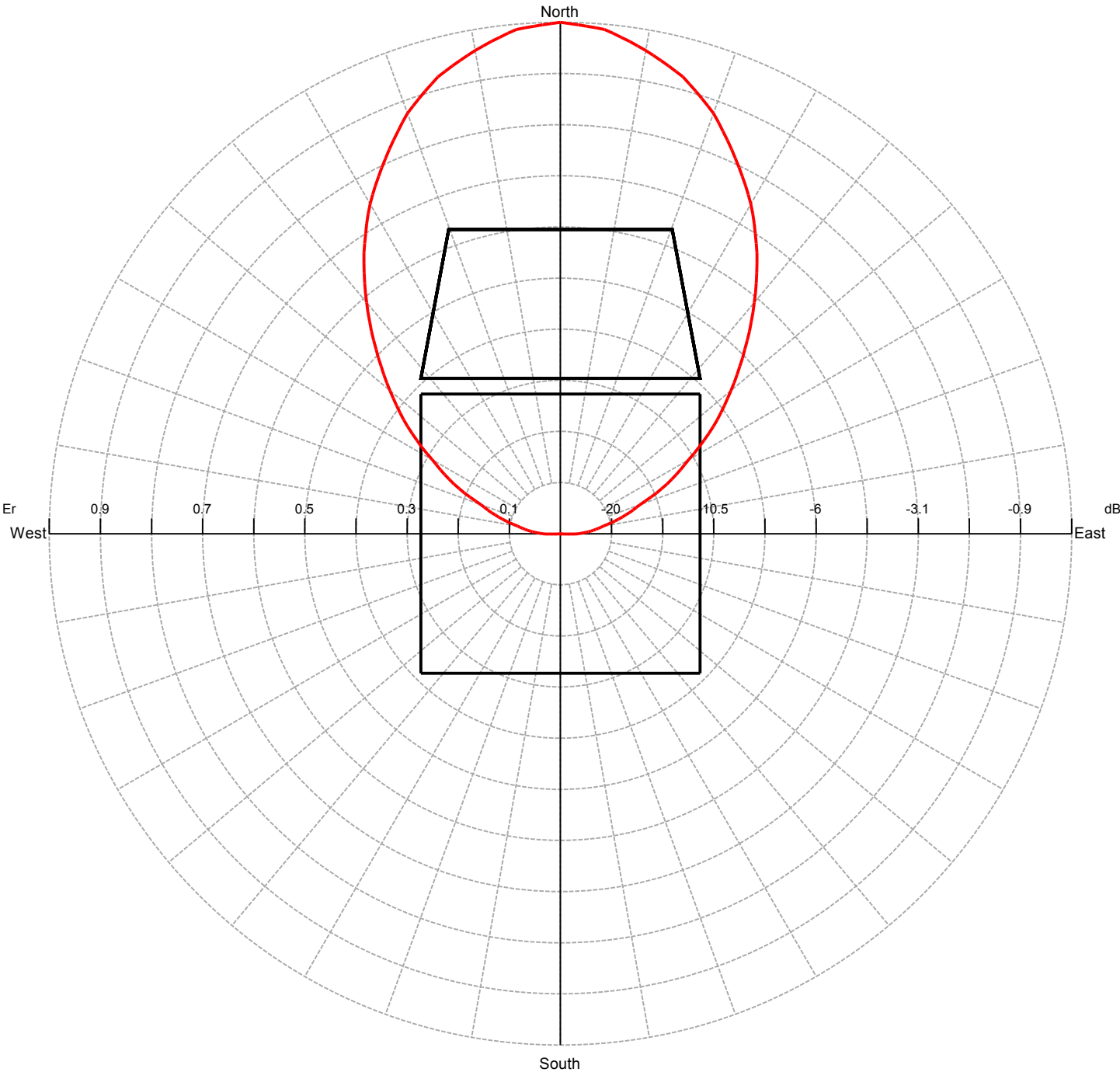
Diagram in dBK calculated at horizon

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	17.8	90	-2.2	180	-2.2	270	-2.2
10	17.4	100	-2.2	190	-2.2	280	-2.2
20	16.6	110	-2.2	200	-2.2	290	2.1
30	15.2	120	-2.2	210	-2.2	300	7.0
40	13.2	130	-2.2	220	-2.2	310	10.6
50	10.6	140	-2.2	230	-2.2	320	13.2
60	7.0	150	-2.2	240	-2.2	330	15.2
70	2.1	160	-2.2	250	-2.2	340	16.6
80	-2.2	170	-2.2	260	-2.2	350	17.4

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Horizontal diagram at 0.0° depres. (Total Antenna)

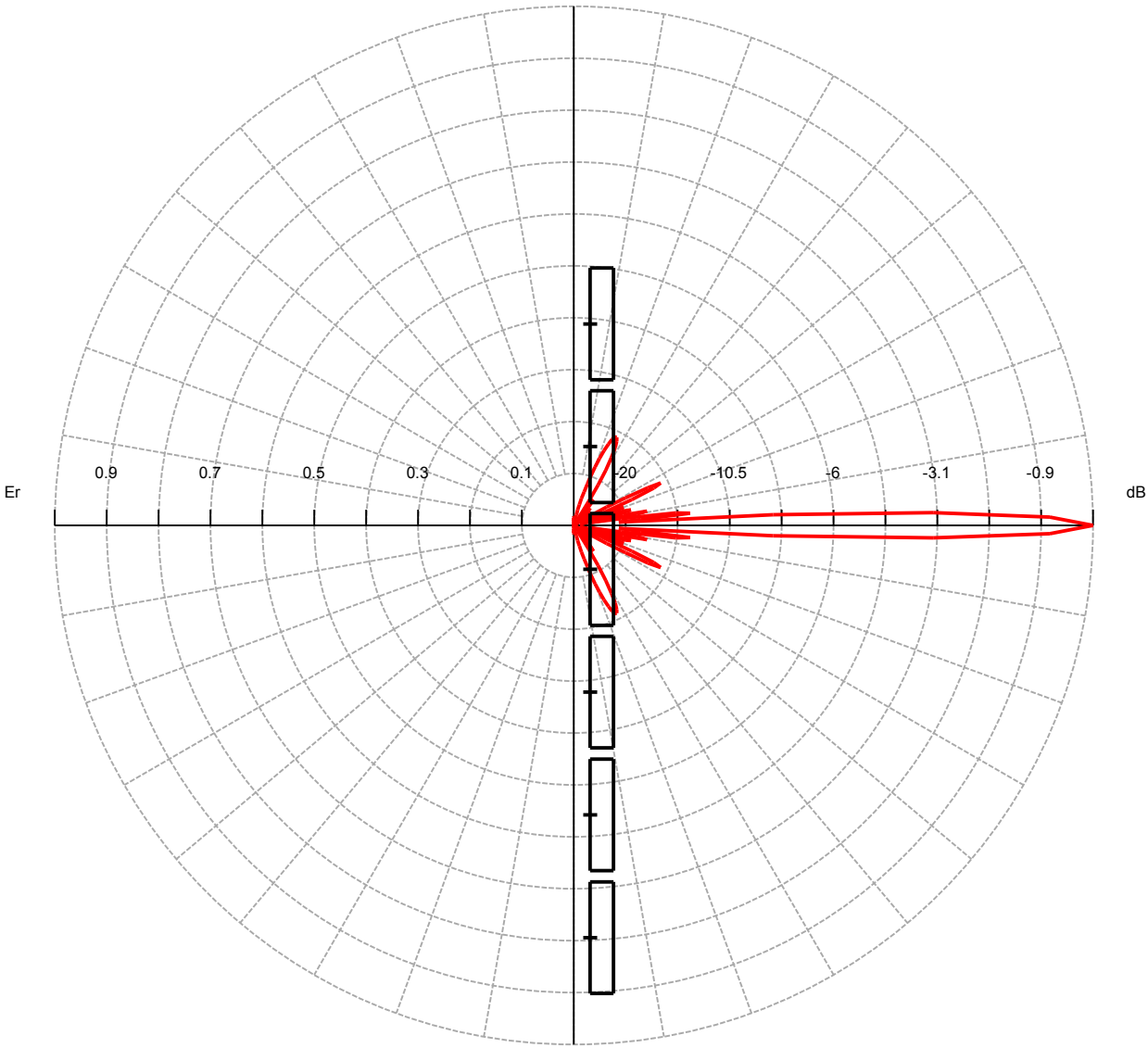


0.0° depres. (Total Antenna), Gain (dBd): 18.78 ERP T.Max(KW): 75.5357 ERP E.Max(KW): 60.0001

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Vertical diagram at an azimuth of 0.0° degrees



0.0° Az. (Total Antenna), Gain (dBd): 18.78

ERP T.Max(KW): 75.5357 ERP E.Max(KW): 60.0001